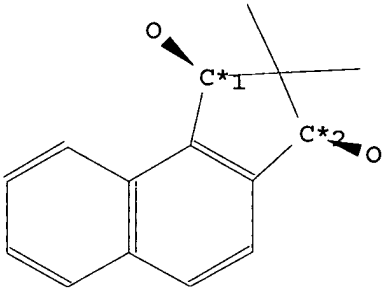
09/27/96

=> d l21 ide pre 1-6

L21 ANSWER 1 OF 6 COPYRIGHT 1996 Beilstein

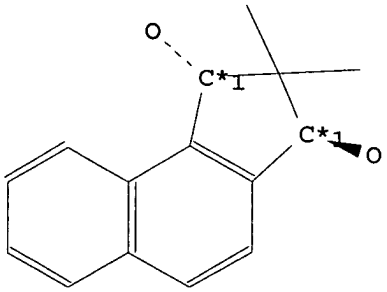
Beilstein Reg. No. (BRN): 5266540 Beilstein
Molecular Formula (MF): C15 H16 O2
Autonom Name (AUN): 2,2-dimethyl-2,3-dihydro-1H-cyclopenta<a>naphthalene-1,3-diol
Beilstein Reference (SO): 6-06
General Comments (NTE): Stereo compound; racemate
CAS Reg. No. (RN): 81278-62-8; 81278-63-9
81278-62-8
Beilstein Pref. RN (BPR): 81278-62-8
Rltd. Stereoisomers (RSI): 5266538; 5266539
Formula Weight (FW): 228.29
Lawson Number (LN): 6142



Atom/Bond Notes:
1. CIP Descriptor: R
2. CIP Descriptor: S
Fragment Notes:
Additionally represents mirror image

L21 ANSWER 2 OF 6 COPYRIGHT 1996 Beilstein

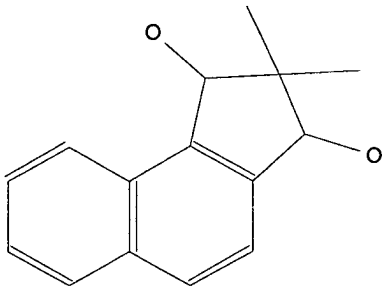
Beilstein Reg. No. (BRN): 5266539 Beilstein
Molecular Formula (MF): C15 H16 O2
Autonom Name (AUN): 2,2-dimethyl-2,3-dihydro-1H-cyclopenta<a>naphthalene-1,3-diol
Beilstein Reference (SO): 6-06
General Comments (NTE): Stereo compound; racemate
CAS Reg. No. (RN): 81278-62-8; 81278-63-9
81278-63-9
Beilstein Pref. RN (BPR): 81278-63-9
Rltd. Stereoisomers (RSI): 5266538; 5266540
Formula Weight (FW): 228.29
Lawson Number (LN): 6142



Atom/Bond Notes:
1. CIP Descriptor: S
Fragment Notes:
Additionally represents mirror image

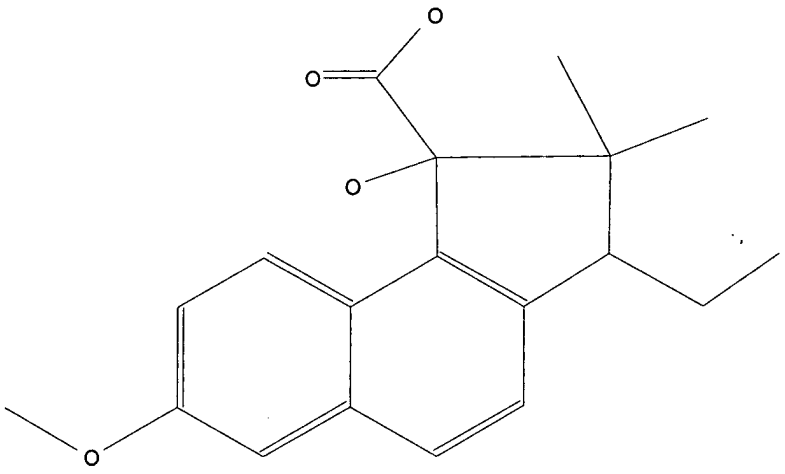
L21 ANSWER 3 OF 6 COPYRIGHT 1996 Beilstein

Beilstein Reg. No. (BRN):	5266538 Beilstein
Molecular Formula (MF):	C15 H16 O2
Autonom Name (AUN):	2,2-dimethyl-2,3-dihydro-1H-cyclopenta<a>naphthalene-1,3-diol
Beilstein Reference (SO):	6-06
General Comments (NTE):	Referenced by other compounds
CAS Reg. No. (RN):	81278-62-8; 81278-63-9
Rltd. Stereoisomers (RSI):	5266539; 5266540
Formula Weight (FW):	228.29
Lawson Number (LN):	6142



L21 ANSWER 4 OF 6 COPYRIGHT 1996 Beilstein

Beilstein Reg. No. (BRN): 3104352 Beilstein
Molecular Formula (MF): C19 H22 O4
Synonym (SY): 6-Methoxy-1'-aethyl-2',2'-dimethyl-3'-hydroxy-3'-carboxy-cyclopenteno<4',5'-1,2>naphthalin
Autonom Name (AUN): 3-ethyl-1-hydroxy-7-methoxy-2,2-dimethyl-2,3-dihydro-1H-cyclopenta<a>naphthalene-1-carboxylic acid
Beilstein Reference (SO): 5-10
CAS Reg. No. (RN): 21442-41-1
Beilstein Pref. RN (BPR): 21442-41-1
Formula Weight (FW): 314.38
Lawson Number (LN): 12183; 289

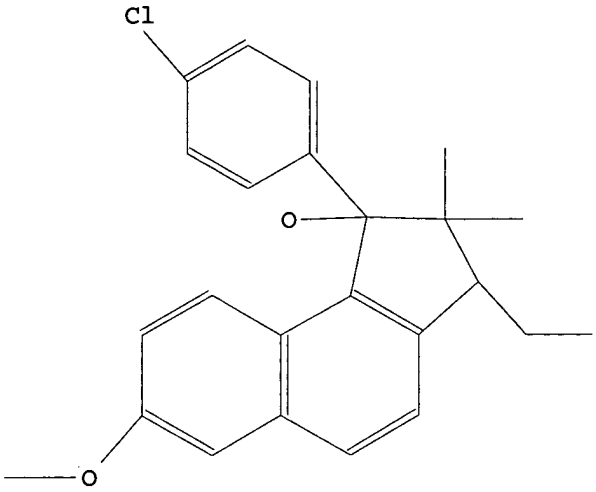


Preparation:
PRE
Start: BRN=3098189 C19H22O2
Detail: (i) SeO2, Ac2O, (ii) aq. NaOH
Reference(s):
1. Lematre,J.; Horeau,A., Bull.Soc.Chim.Fr., <1968>, 4953-4958, LA: FR, CODEN: BSCFAS
Note(s):
2. Multistep reaction

L21 ANSWER 5 OF 6 COPYRIGHT 1996 Beilstein

Beilstein Reg. No. (BRN): 2482725 Beilstein
Molecular Formula (MF): C24 H25 Cl O2
Autonom Name (AUN): 1-(4-chloro-phenyl)-3-ethyl-7-methoxy-2,2-dimethyl-2,3-dihydro-1H-cyclopenta<a>naphthalen-1-ol
Beilstein Reference (SO): 5-06

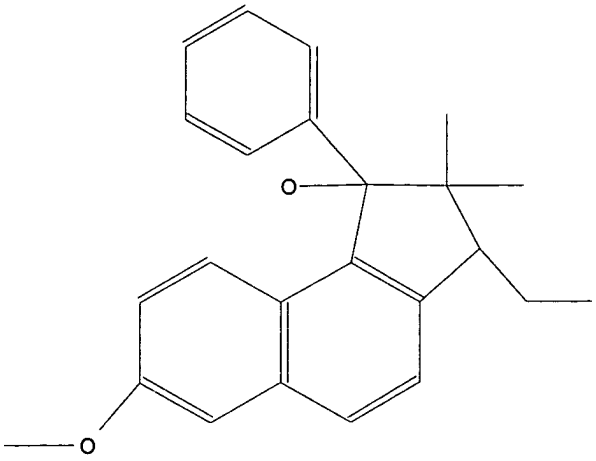
CAS Reg. No. (RN): 51062-89-6
Beilstein Pref. RN (BPR): 51062-89-6
Formula Weight (FW): 380.91
Lawson Number (LN): 6283; 289



Preparation:
PRE
Reference(s):
1. Patent: G. D. Searle + Co., US 3775486 1972
Chem. Abstr., 80, 47713

L21 ANSWER 6 OF 6 COPYRIGHT 1996 Beilstein

Beilstein Reg. No. (BRN): 2478902 Beilstein
Molecular Formula (MF): C24 H26 O2
Autonom Name (AUN): 3-ethyl-7-methoxy-2,2-dimethyl-1-phenyl-2,3-dihydro-1H-cyclopenta<a>naphthalen-1-ol
Beilstein Reference (SO): 5-06
CAS Reg. No. (RN): 51062-88-5
Beilstein Pref. RN (BPR): 51062-88-5
Formula Weight (FW): 346.47
Lawson Number (LN): 6282; 289

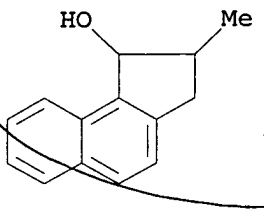


Preparation:
PRE
Reference(s):
1. Patent: G. D. Searle + Co., US 3775486 1972
Chem. Abstr., 80, 47713

=> d bib abs hitstr 1-4 l18

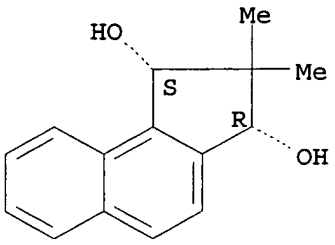
L18 ANSWER 1 OF 4 CAPLUS COPYRIGHT 1996 ACS
AN 1995:610578 CAPLUS
DN 123:257779
TI Novel transition metal compounds and polymerization catalysts for olefins containing the transition metal compounds and manufacture of polyolefins
IN Fujita, Terunori; Hirose, Takaharu; Saito, Junji; Ueda, Takashi; Kiso, Yoshihisa
PA Mitsui Petrochemical Ind, Japan
SO Jpn. Kokai Tokkyo Koho, 27 pp.
CODEN: JKXXAF
PI JP 06345809 A2 941220 Heisei
AI JP 93-136254 930607
DT Patent
LA Japanese
OS MARPAT 123:257779
GI For diagram(s), see printed CA Issue.
AB Catalysts contain transition metal metallocenes, org. aluminoxy compds. and/or compds. reacting with transition metal compds. to form ion pairs, and organoaluminum compds. Thus, zirconocene I was prepd. and used in the polymn. of propylene with iso-Bu3Al and methylaluminoxane.
IT **163801-85-2P**
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation)
(manuf. and dehydration)
RN 163801-85-2 CAPLUS

CN 1H-Benz[e]inden-1-ol, 2,3-dihydro-2-methyl- (9CI) (CA INDEX NAME)



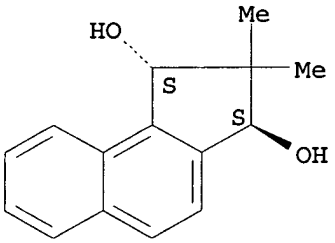
L18 ANSWER 2 OF 4 CAPLUS COPYRIGHT 1996 ACS
AN 1982:405939 CAPLUS
DN 97:5939
TI .sigma.-Naphthoquinodimethanes and .sigma.-phenanthroquinodimethanes. Isoindene-related species
AU Dolbier, William R., Jr.; Dulcere, Jean Pierre; Sellers, Simon F.; Koroniak, Henryk; Shatkin, Blane T.; Clark, Thomas L.
CS Dep. Chem., Univ. Florida, Gainesville, FL, 32611, USA
SO J. Org. Chem. (1982), 47(12), 2298-303
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
OS CJACS
AB Three isoindene-related naphthoquinodimethan and phenanthroquinodimethan species were synthesized and trapped with 4-phenyl-1,2,4-triazoline-3,5-dione. They are 2,2-dimethyl-2H-benz[e]indene (I), 2,2-dimethyl-2H-benz[f]indene and 2,2-dimethyl-9H-cyclopent[b]phenanthrene. I could be isolated and characterized by 1H NMR. The effect of solvent on Friedel-Crafts bisacylation of naphthalene and phenanthrene by dimethylmalonyl chloride is discussed. The use of the Vilsmeier reagent generated from PBr3/DMF is highly recommended as a general reagent for conversion of alcs. to alkyl bromides.
IT **81278-62-8P 81278-63-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and conversion of, to dibromide)
RN 81278-62-8 CAPLUS
CN 1H-Benz[e]indene-1,3-diol, 2,3-dihydro-2,2-dimethyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

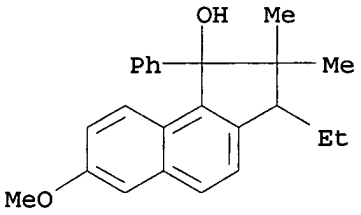


RN 81278-63-9 CAPLUS
CN 1H-Benz[e]indene-1,3-diol, 2,3-dihydro-2,2-dimethyl-, trans- (9CI) (CA INDEX NAME)

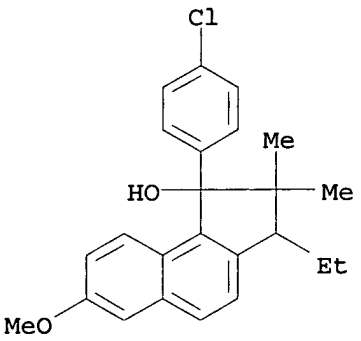
Relative stereochemistry.



L18 ANSWER 3 OF 4 CAPLUS COPYRIGHT 1996 ACS
AN 1974:47713 CAPLUS
DN 80:47713
TI 1,7-Dihydroxybenz[e]indanes
IN Chinn, Leland J.
PA Searle, G. D., and Co.
SO U.S., 2 pp.
CODEN: USXXAM
PI US 3775486 731127
AI US 72-258536 720601
DT Patent
LA English
GI For diagram(s), see printed CA Issue.
AB Benz[e]-indanols (I; R = OH; R1 = Ph, p-ClC6H4), useful as inflammation inhibitors, were prepd. by Grignard reaction of R1Br with I (RR1 = O) which was prepd. by cyclization of 3-(6-methoxy-2-naphthyl)-2,2-dimethylpentanoic acid with HF.
IT **51062-88-5P 51062-89-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 51062-88-5 CAPLUS
CN 1H-Benz[e]inden-1-ol, 3-ethyl-2,3-dihydro-7-methoxy-2,2-dimethyl-1-phenyl- (9CI) (CA INDEX NAME)

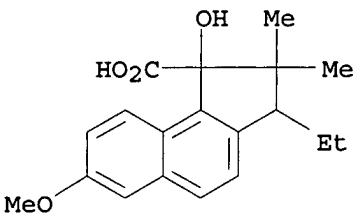


RN 51062-89-6 CAPLUS
CN 1H-Benz[e]inden-1-ol, 1-(4-chlorophenyl)-3-ethyl-2,3-dihydro-7-methoxy-2,2-dimethyl- (9CI) (CA INDEX NAME)



L18 ANSWER 4 OF 4 CAPLUS COPYRIGHT 1996 ACS
AN 1969:68623 CAPLUS
DN 70:68623
TI Molecular structure and estrogen activity. XXVI. Synthesis of a seco-didehydrodoisynolic acid
AU Lematre, Jean; Horeau, Alain
CS College de France, Paris, Fr.
SO Bull. Soc. Chim. Fr. (1968), (12), 4953-8
CODEN: BSCFAS
DT Journal
LA French
AB 1-Ethyl-2,2-dimethyl-7-methoxy-1,2,3,4-tetrahydrophenanthren-4-one is oxidized to Me 2,2-dimethyl-3-(1-carboxy-6-methoxy-2-naphthyl)valerate which is converted to the diester, Et[6,1,2-MeO(PhCH2SCO)C10H5]CHCMe2CO2Me. The diester is hydrogenated to the (1-hydroxymethyl-2-naphthyl)valeric acid which is hydrogenated to the title acid, .alpha.,.alpha.-dimethyl-.beta.-(6-methoxy-1-methyl-2-naphthyl)-valeric acid.
IT **21442-41-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 21442-41-1 CAPLUS
CN 16,17-Seco-C-norestra-1,3,5,7,9-pentaene-11-carboxylic acid,

11-hydroxy-3-methoxy- (8CI) (CA INDEX NAME)



=>
=> d his

(FILE 'HOME' ENTERED AT 10:05:13 ON 27 SEP 96)

FILE 'REGISTRY' ENTERED AT 10:05:24 ON 27 SEP 96
L1 STRUCTURE UPLOADED

FILE 'CASREACT, CHEMINFORMRX, CHEMREACT, DJSMONLINE' ENTERED AT 10:07:21 ON 27 SEP 96
L2 0 FILE CASREACT
L3 0 FILE CHEMINFORMRX
L4 0 FILE CHEMREACT
L5 0 FILE DJSMONLINE
TOTAL FOR ALL FILES
L6 0 S L1
L7 0 FILE CASREACT
L8 0 FILE CHEMINFORMRX
L9 0 FILE CHEMREACT
L10 0 FILE DJSMONLINE
TOTAL FOR ALL FILES
L11 0 S L1

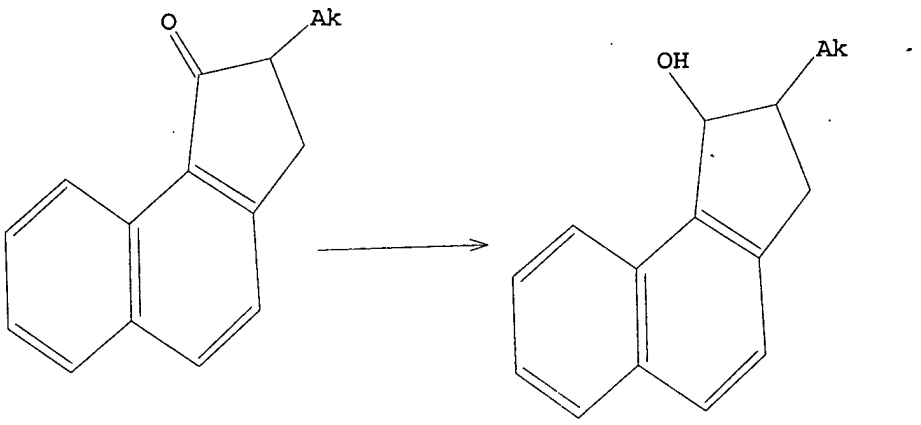
FILE 'REGISTRY' ENTERED AT 10:18:13 ON 27 SEP 96
L12 STRUCTURE UPLOADED
L13 STRUCTURE UPLOADED
L14 0 S L12
L15 4 S L13
L16 0 S L12
L17 6 S L12 SSS FULL

FILE 'CAPLUS' ENTERED AT 10:25:08 ON 27 SEP 96
L18 4 S L17/P

FILE 'BEILSTEIN' ENTERED AT 10:28:28 ON 27 SEP 96
L19 0 S L12
L20 0 S L12
L21 6 S L12 FULL
L22 0 S L21 NOT L17

FILE 'CAPLUS' ENTERED AT 10:43:27 ON 27 SEP 96

=>
=> d l1
'L1' HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> d bib abs hit 1

L23 ANSWER 1 OF 1 IFICDB COPYRIGHT 1996 IFI
AN 0824256 IFIPAT;IFIUDB;IFICDB
TI 1,7-DIHYDROXY BENZ(E)INDANES; ANTIINFLAMMATORY AGENTS
IN CHINN L
PA SEARLE, G D & CO (75400)
PI US 3775486 731127 (CITED IN 001 LATER PATENTS)
AI US 72-258536 720601
FI US 3775486 731127
DT UTILITY
FS CHEMICAL
OS CA 80:47713
AB 1,7 - DIHYDROXYBENZE (E) INDANE DERIVATIVES HERIN DESCRIBED EXHIBIT ANTI-INFLAMMATORY ACTIVITY. THESE SUBSTANCES CAN BE PREPARED IN SEVERAL STEPS FROM (3-(6-HYDROXY-2-NAPHTHYL))-2,2-DIALKYLALKANOIC ACID DERIVATIVES.
RN 106-39-8; 108-86-1; 517-18-0; 21442-42-2; **51062-88-5**; **51062-89-6**